

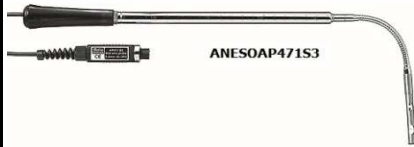


ANESO - HOT WIRE PROBES ANEMOMETERS PORTABLE

	AP471 S1 - AP471 S3	AP471 S2	
Types of measures:	Speed, calculated flow rate, air temperature		
Velocity Range:	0.1...40 m/s	0.1...5 m/s	
temperature Range °C:	-25...+80	-25...80	
Velocity Resolution:	0.01 m/s 0.1 km/h 1 ft/min 0.1 mph 0.1 knot		
Temperature Resolution °C:	0.1		
Velocity Accuracy:	+/-0.1 m/s (0...0.99m/s) +/- 0.3m/s (1...9.99m/s) +/- 0.8 m/s (10...40 m/s)	+/-0.05 m/s (0...0.99m/s) +/-0.15m/s (1...5.00m/s)	
Temperature Accuracy:	+/-0.8°C (-10...+80°C)	+/-0.8°C (-10...+80°C)	
Minimum Velocity:	0.1 m/s		
Air temperature compensation:	0...80 °C		
Velocity Units:	m/s - km/h - ft/min - mph - knot		
Flow rate Units:	l/s - m3/s - m3/min - m3/h - ft3/s - ft3/min		
Section duct x flow calculation:	0.001 ... 1.999 m2.		
Cable length:	about 2 m		
Sensor work conditions:	Clean air, RH <80%		
Battery life:	about 20 hours @ 20 m/s with alkaline batteries	about 30 hours @ 5 m/s with alkaline batteries	

ANESO - VANE PROBES FOR PORTABLE ANEMOMETERS

	AP472S1	AP472S2
Velocity Range:	YES	YES
Calculated Flow:	YES	YES
Air Temperature:	YES (Tc K)	NO
Vane Diameter mm :	100	60
Velocity Range m/s:	0.6...25	0.5...20
Vane Temperature Range:	-25...+80 °C	
Velocity Resolution:	0.01 m/s 0.1 km/h 1ft/min 0.1 mph 0.1 knot	
Temperature Resolution:	0.1°C	---
Velocity Accuracy:	+/-0.3 m/s +1.5% f.s.	
Temperature Accuracy:	+/-0.8°C	---
Minimum Velocity m/s:	0.6	0.5
Velocity Units:	m/s - km/h - ft/min - mph - knot	
Flowrate Units:	l/s - m3/s - m3/min - m3/h - ft3/s - ft3/min	
Section duct x flow calculation:	0.0001 ... 1.9999 m2	

Portable anemometer:

HVACR
ANEPO1
ANEPO2



ANESOAP472S1



ANESOAP472S2

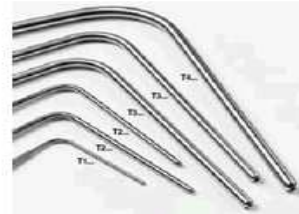


SATEMA

13856 VIGLIANO B.SE - Via Milano, 395
Tel. +39 015811102 - Fax 0158853029
Mail: info@satema.it <http://www.satema.it>

ANESO - PITOT TUBES MODULES - HVACR DATALOGGER

	AP473S1	AP473S2	AP473S3	AP473S4
Types of measures:	Speed, calculated flow, differential pressure, air temperature			
Velocity Range m/s:	2...40	2...55	2...90	2...130
Differential Pressure Range:	10 mbar	20 mbar	50 mbar	100 mbar
Temperature Range:	-200...460°C			
Velocity Resolution:	0.1 m/s 1 km/h 10 ft/min 1 mph			
Temperature Resolution:	0.1 °C			
Velocity Accuracy:	+/-0.4% pressure f.s.		+/-0.3% pressure f.s.	
Temperature Accuracy:	+/-0.8°C		+/-0.8°C	
Minimum Velocity m/s:	2			
Velocity Units:	m/s - km/h - ft/min - mph			
Flowrate Units:	l/s - m3/h - cfm			
Section duct x flow calculation:	.001 ...1.999 m2			
Accessory:	CPW Cable connection between the module and Pitot tube with Thermocouple TC			
Pitot tubes:	See "Quadratic" TPT Pitot tubes			



PT100 TEMPERATURE PROBE - HVACR DATALOGGER

- TP472I** Pt100 wire probe, immersion sensor.
 Probe's stem Ø 3 mm, length 300 mm. 4-wire cable, 2 meters long.
 Application Range: -196 ... + 500°C.
 Accuracy: ± 0.25°C (-196 ...+ 350°C); ± 0.4°C (+ 350 ...+ 500°C).
- TP473P** Pt100 Penetration probe.
 Probe's stem Ø 4 mm, length 150 mm. 4-wire cable, 2 meters long.
 Application Range: -100 ... + 400°C.
 Accuracy: ± 0.25°C (-50 ...+ 350°C) ± 0.4°C (+ 350 ...+ 400°C).
- TP474C** Pt100 contact probe, thin film.
 Probe's stem Ø 4 mm, length. 230 mm, Ø 5 mm silver surface contact. 4-wire cable, length 2 m.
 Application range: -50 ... + 400°C
 Accuracy: ± 0.3°C (-50 ...+ 350°C) ± 0.4°C (+ 350 ...+ 400°C).



For the complete selection of temperature probes for portable instruments see Temperature / Umidity sector



SATEMA

13856 VIGLIANO B.SE - Via Milano, 395

Tel. +39 015811102 - Fax 0158853029

Mail: info@satema.it <http://www.satema.it>

RELATIVE HUMIDITY AND TEMPERATURE PROBES - HVACR DATALOGGER

Relative Humidity

Sensor	Capacitive Mk-33
Typical capacity @ 30% RH	300pF \pm 40pF
Probe operative Temperature:	-40 °C ...+150 °C
Range:	0...100%RH
Accuracy:	\pm 2%UR in the range 10 ...90%UR \pm 2.5% RH in the remaining range
Resolution:	0.1%UR
Temperature drift @ 20 ° C:	0.02%UR/°C
Response time %UR @constant Temp.:	10sec (10 -->80%UR;air speed=2m/s)

Temperature

Temperature Sensor:	Pt100 (100 ohm @0 °C)
Range:	-50 °C ...+200 °C
Accuracy:	\pm 0.1 °C
Resolution:	0.1 °C
Temperature drift @20 °C	0.003%/°C
Temperature sensor (HP572AC):	K thermocouple
Range:	-50 °C ...+200 °C.
Accuracy:	\pm 0.5 °C
Resolution:	0.1 °C
Temperature drift @20 °C:	0.02%/°C



HP472ACR	%RH and temperature combined probe, dimensions \varnothing 26x170 mm. Connecting cable: 2 meters. Range: -20 ... + 80°C, 5 ... 98% RH. Accuracy in% RH: \pm 2% Accuracy in °C: \pm 0.25 ° C.
HP572ACR	%RH and temperature combined probe, thermocouple K sensor, dimensions \varnothing 26x170 mm. Connecting cable: 2 meters. Range: -20 ... + 80°C, 5 ... 98% RH. Accuracy in% RH: \pm 2% Accuracy in °C: \pm 0.5 ° C
HP473ACR	%RH and temperature combined probe. Handle \varnothing 26x130 mm, probe \varnothing 14x110 mm. Connecting cable: 2 meters. Working range: -20 ... 80°C, 5 ... 98% RH. Accuracy in% RH: \pm 2% Accuracy in °C: \pm 0.25 ° C.
HP474ACR	%RH and temperature combined probe. Handle \varnothing 26x130 mm, probe \varnothing 14x210 mm. Connecting cable: 2 meters. Working range: -40...+150°C, 5...98%UR. Accuracy in %UR: \pm 2% Accuracy in °C: \pm 0.25°C
HP475ACR	%RH and temperature combined probe. Handle \varnothing 26x110 mm. S.S. probe \varnothing 12x560 mm. Tip \varnothing 13.5x75 mm. Connecting cable: 2 meters. Working range: -40...+150°C, 5...98%UR. Accuracy in %UR: \pm 2% Accuracy in °C: \pm 0.30°C

For the complete selection of temperature probes for portable instruments see Temperature/Umidity sector

PRESSURE PROBE - HVACR DATALOGGER

PP472	Barometric pressure probe. Range: 600...1100mbar. Resolution: 0,1 mbar. Accuracy @ 20°C: +/-0,3mbar Temperature Range: -10...+60°C
PP473 S1...S8	Differential pressure sensor for air, non-corrosive and dry gases. Attack 5 mm. Range f.s. : S1=10mbar S2=20mbar S3=50mbar S4=100mbar S5=200 S6=500mbar S7=1bar S8=2bar Overpress. S1,S2,S3=200mbar S4=300mbar Max: S5,S6=1 bar S7=3bar S8=6 bar Accuracy: +/-0.5%f.s. 10, 20, 50 mbar +/-0.25%f.s. 100 mbar +/-0.12%f.s. 200, 500, 1000, 2000 mbar



SATEMA

13856 VIGLIANO B.SE - Via Milano, 395

Tel. +39 015811102 - Fax 0158853029

Mail: info@satema.it <http://www.satema.it>